

WHAT IS CLAIMED IS:

1. A jetting apparatus for mixing at least liquid and gas to create the mixed flow of the gas and the liquid to thereby jet the mixed flow, said jetting apparatus comprising:

5 a passage of the mixed flow of the gas and the liquid, said passage including at least one partition and a plurality of sub-passages divided by said partition; and

liquid injection ports being provided in correspondence with said divided sub-passages;

10 wherein mass flow per sectional area of the mixed flow of the gas and the liquid passing through said respective sub-passages is substantially equal.

2. A jetting apparatus according to claim 1, wherein  
15 each of said divided sub-passages is gradually increased in a downstream direction in width in a direction in which said sub-passages are arranged.

3. A jetting apparatus according to claim 1, wherein  
20 each of said divided sub-passages is gradually increased in a downstream direction in width in a direction perpendicular to a direction in which said sub-passages are arranged.

4. A jetting apparatus according to claim 1, wherein  
25 terminal ends of said partitions are located at an intermediate

position in said passage of said mixed flow of the gas and the liquid.

5        5.        A jetting apparatus according to claim 1, wherein  
upstream ends of said partitions are located at an appropriate  
distance from said liquid injection ports.

10        6.        A jetting apparatus according to claim 1, further  
comprising a gas passage for supplying the gas to said passage,  
wherein sectional area of said gas passage is gradually decreased  
toward a supply port thereof.

15        7.        A jetting apparatus according to claim 1, wherein  
said passage of the mixed flow of the gas and the liquid is  
provided with a minimum throttle portion which has the smallest  
sectional area, and sectional area of said passage in the  
downstream part thereof is made equal to that of said minimum  
throttle portion or gradually increased.